

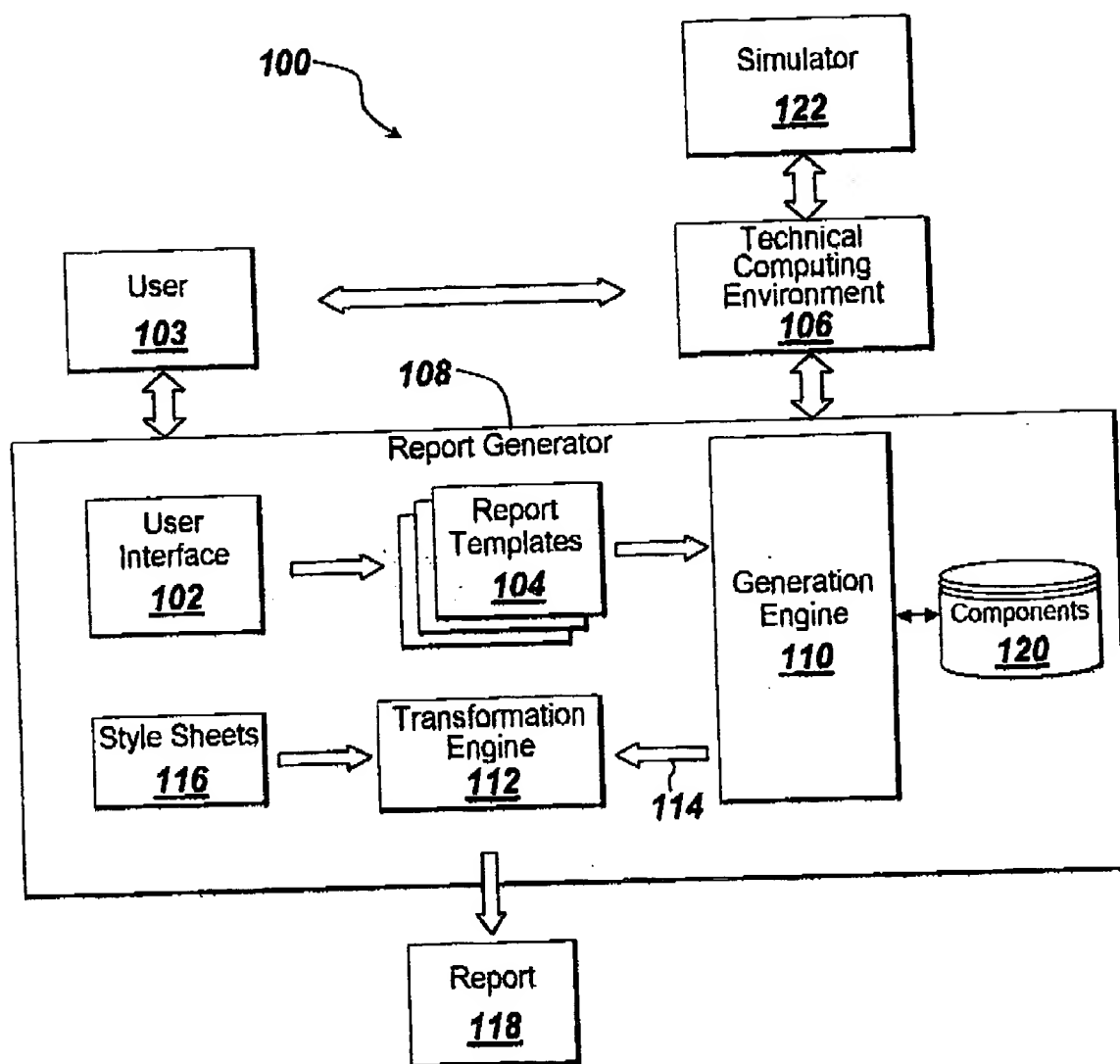
App No.: 09/517952

Inventor: David CRITZ et al.

Title: REPORT GENERATOR FOR A MATHEMATICAL
COMPUTING ENVIRONMENT

REPLACEMENT SHEET

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*Fig. 1*

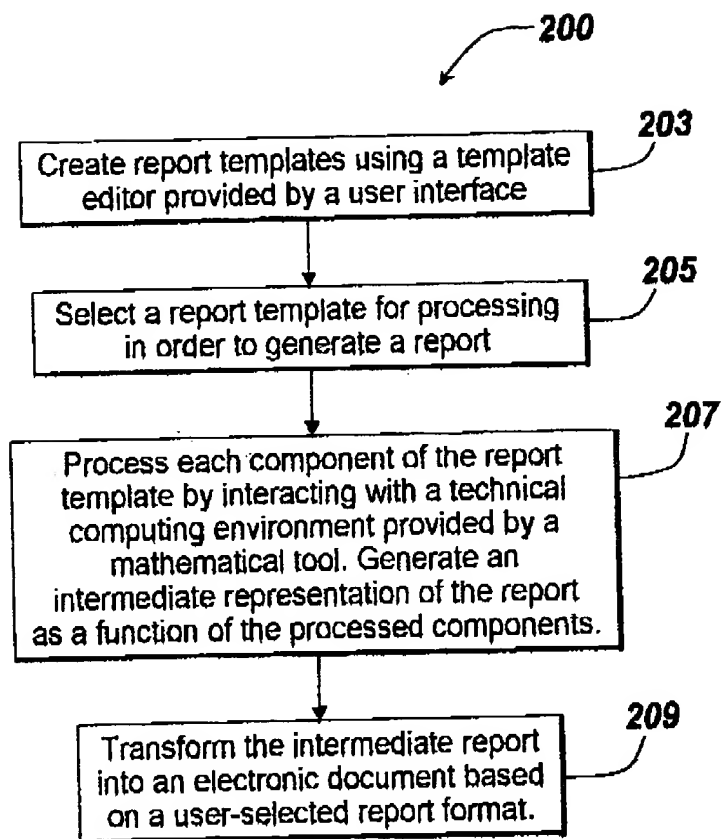
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*Fig. 2*

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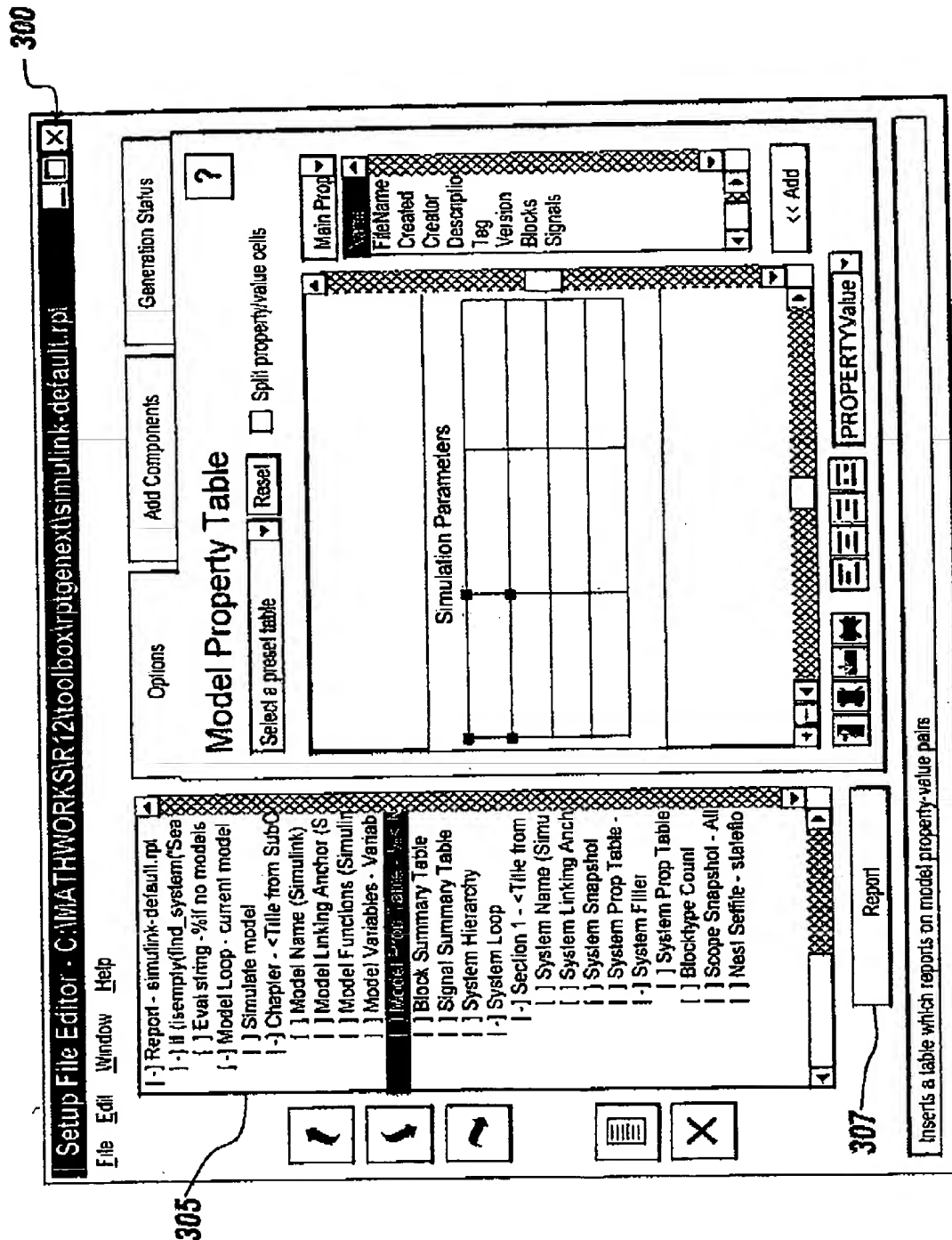


Fig. 3

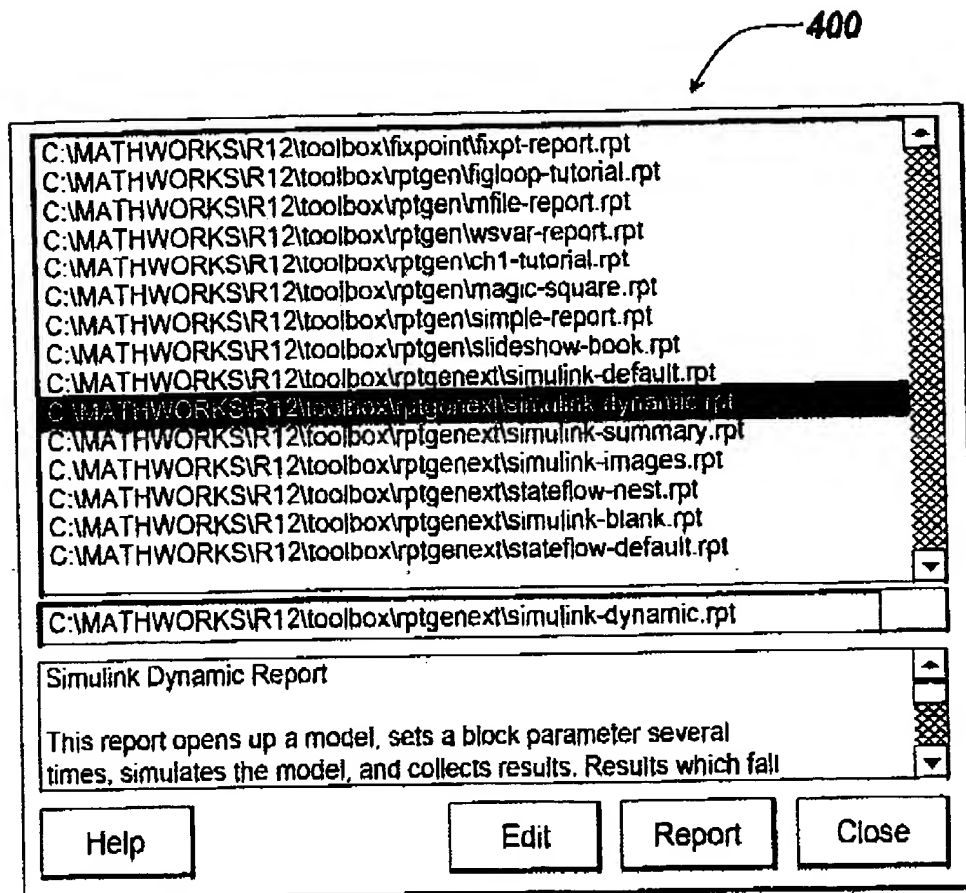
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*Fig. 4*

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Component Creation Wizard

Component category

- Component Name
- Component Attributes
- Component Methods
- Confirm Selections

Simulink

- Formatting
- Handle Graphics
- Logical & Flow Control
- MATLAB
- Report Generator
- Simulink
- Simulink Blockset: DSP
- Simulink Blockset: Fixed-Point
- Simulink Blockset: Nonlinear Control Design
- Simulink Blockset: Power System
- Stateflow
- Toolbox: Communications
- Toolbox: Control Systems
- Toolbox: Financial

Category ID: FP

Category name: Simulink Blockset: Fixed Point

☐ Use the "Simulink Blockset: Fixed-Point" Setup File Editor category

Cancel Previous Next > Skip to End >>

Fig. 5

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File Edit Window Help

Report Generator

[-] Paragraph - When peaks.m r
[-] Eval string - %Evaluate PEAK
[-] Graphics Figure Snapshot
[-] Figure Prop Table

Report

Options Add Components Generation Status

Report Options

Report File Location
D:\w5\bin\html\1-tutorial.html

Directory: ☐ Same as setup file (D:\w5\toolbox\mpgen)
☒ Present working directory (D:\w5\bin\w1)
☐ Other ...

File name: ☐ Same as setup file (ch1 -tutorial)
☐ Other index
☐ If report already exists, increment to prevent overwriting

Report Format & Stylesheet
web (HTML) Single-Page Simple

Generation Options
[Icon] [Icon] Edit..

Description
A simple version of mfile-report.rpi
This setup file has five components.
1) Report - specifies the output file location and file format

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Inserts a table which reports on model property-value pairs

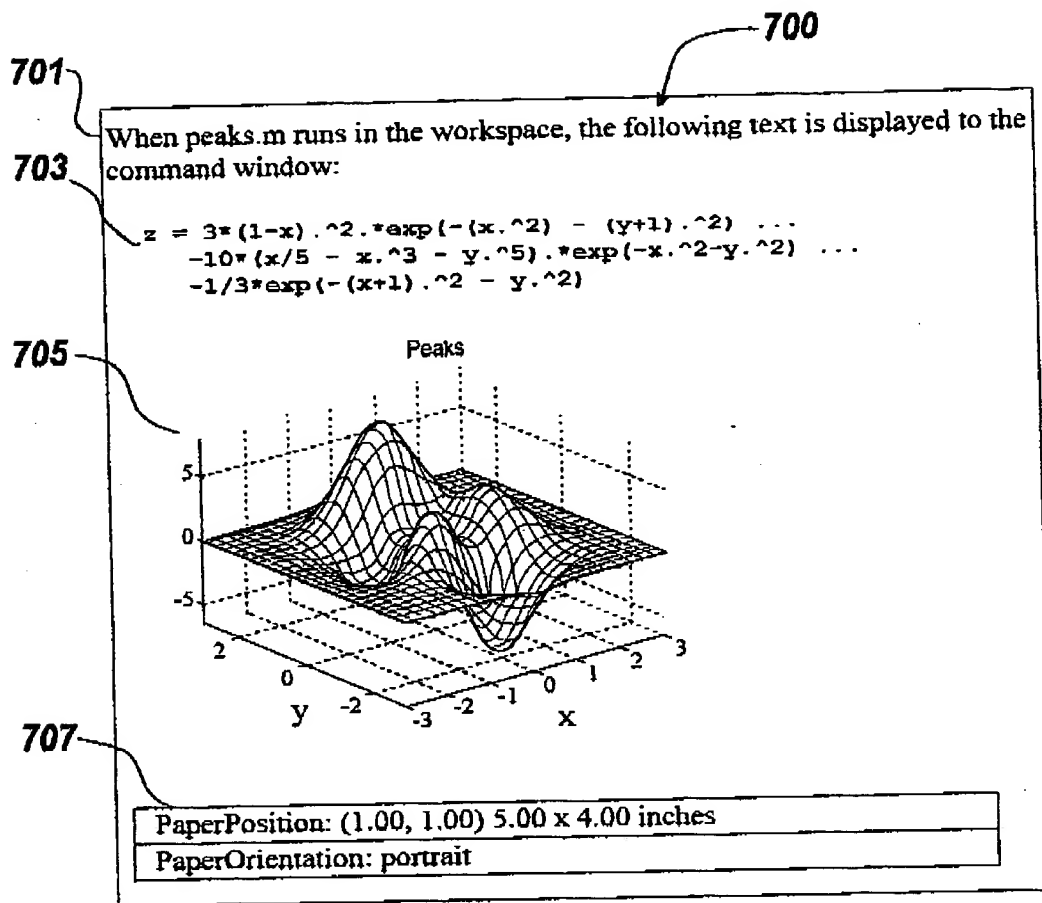
Fig. 6

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*Fig. 7*

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Docket NO.: MWS-US/NOC

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COMPUTING ENVIRONMENT**REPLACEMENT SHEET****8/11****Formating Components**

Component	Output / Behavior
cfrcelltable	Cell Table
cfrsection	Chapter/Subsection
cfrimage	Image
cfrlink	Link
cfrlist	List
cfrparagraph	Paragraph
cfrtext	Text
cfr_titlepage	Title Page

Graphic Handling Components

Component	Output / Behavior
chgfigloop	Figure Loop
chgfigproptable	Figure Property Table
chgfigsnap	Graphics Figure Snapshot
chgobjname	Graphics Object Name
chgproperty	Handle Graphics Parameter

Logical & Flow Control Components

Component	Output / Behavior
cloelse	<if> Else
cloelseif	<if> Elseif
clothen	<if> Then
clofor	For Loop
cloif	Logical If

Fig. 8

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Technical Computing Components

Component	Output / Behavior
cmleval	Evaluate an Expression
cmlvariable	Insert Variable
cml_ver	MATLAB/Toolbox Version Number
cmlwhos	Variable Table

Reporting Components

Component	Output / Behavior
crg_comment	Comment
crgempty	Empty Component
crg_import_file	Import File
crgnestset	Nest Setup File
crg_halt_gen	Stop Report Generation
crgtds	Time/Date Stamp

Fig. 9

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Docket No.: MWG-03/170L

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Simulator Components

Component	Output / Behavior
cslsortblocklist	Block Execution Order
csl_blk_loop	Block Loop
csl_blk_proprable	Block Property Table
cslblockcount	Block Type Count
csl_md1_changelog	Model Change Log
csl_functions	Model Functions
csl_md1_loop	Model Loop
csl_md1_proptable	Model Property Table
cslsim	Model Simulation
csl_variables	Model Variables
csllinktarget	Object Linking Anchor
csllinkname	Object Name
cslproperty	Object Property
csl_summ_table	Object Summary Table
cslscopesnap	Scope Snapshot
csl_sig_loop	Signal Loop
csl_sig_proptable	Signal Property Table
cslfilter	System Filter
cslsyslist	System Hierarchy
csl_sys_loop	System Loop
csl_sys_proptable	System Property Table
cslsnapshot	System Snapshot

State Control Components

Component	Output / Behavior
csf_hier_loop	Stateflow Loop
csf_obj_report	Stateflow Object Report
csf_prop_table	Stateflow Property Table
csf_snapshot	Stateflow Snapshot
crg_halt_gen	Stop Report Generation

Fig. 10

App No.: 2017/0002
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